

Converting Colors

CIELCh(49, 8.416, 243.734)

Have a look what the booklet for
CIELCh(49, 8.416, 243.734) contains.

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Color

CIELCh(49, 8.530, 242.625)

Conversions

Conversions Part 1

Format	Color
Hex	667781
RGB	102, 119, 129
RGB Percent	40%, 47%, 51%
CMY	0.6001, 0.5334, 0.4942
CMYK	0.21, 0.08, 0.00, 0.49
HSL	202°, 12%, 45%
HSV	202°, 21%, 51%
XYZ	16.0301, 17.5941, 23.3099
YIQ	115.0570, -13.3420, -0.4940

Conversions

Conversions Part 2

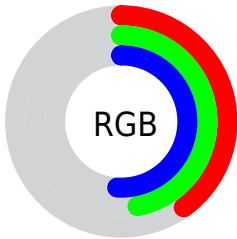
Format	Color
R_{YB}	102, 112, 129
Decimal	6715265
CIE _{Lab}	49.00, -3.92, -7.57
CIE _{LCh}	49, 8.530, 242.625
Yxy	17.5941, 0.2816, 0.3090
Android (android.graphics.Color)	4284905345 (0xFF667781)
YUV	115.0570, 6.8739, -11.4510
Hunter-Lab	41.9453, -5.1874, -3.5870

Details

The CIELCh color $49, 8.530, 242.625$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 9.392, 58.407$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 8.699, 243.195$, and $29, 8.675, 240.798$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.359, 244.096$, and if you desaturate by 10%, it is $51, 4.531, 241.431$.

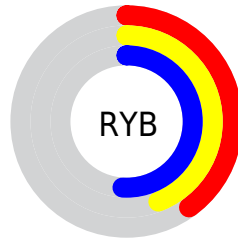
Distribution



Red (40%)

Green (47%)

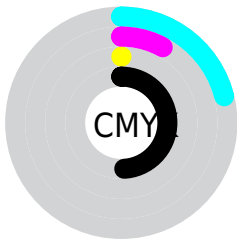
Blue (51%)



Red (40%)

Yellow (44%)

Blue (51%)

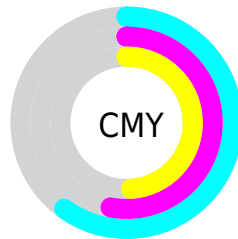


Cyan (21%)

Magenta (8%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (53%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.530, 242.625 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 8.530, 242.625 by changing the saturation by 10% instead.

■ 49, 8.530, 242.625

■ 49, 8.530, 242.625

■ 100, 8.530,
242.625

■ 39, 8.530, 242.625

■ 69, 8.530, 242.625

■ 29, 8.530, 242.625

■ 79, 8.530, 242.625

■ 19, 8.530, 242.625

■ 89, 8.530, 242.625

■ 9, 8.530, 242.625

■ 99, 8.530, 242.625

■ 0, 8.530, 242.625

■ 49, 8.530, 242.625

■ 49, 8.530, 242.625

■ 47, 12.359,
244.096

■ 51, 4.531, 241.431

■ 44, 15.983,

■ 54, 0.396, 241.202

245.910

56, 3.844, 59.437

42, 19.373,
248.129

59, 8.161, 58.795

40, 22.507,
250.824

61, 12.533, 58.233

38, 25.385,
254.061

64, 16.940, 57.756

36, 28.036,
257.881

69, 25.801, 57.002

34, 30.525,
262.267

71, 30.231, 56.702

33, 32.799,
266.338

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 8.530, 242.625



49, 9.392, 58.407

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 8.530, 242.625



49, 8.530, 292.625



49, 8.530, 62.625



49, 8.530, 112.625

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 8.530, 242.618



67, 3.114, 240.983



51, 14.719, 155.526



35, 2.054, 241.025



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 8.530, 242.618



62, 12.551, 243.267



45, 13.999, 286.630



26, 2.320, 241.246



33, 32.503, 266.274



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46, 14.866, 338.793



58, 22.107, 339.172



52, 13.559, 101.942



25, 3.932, 337.873



27, 53.338, 349.456



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 8.530, 242.625 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 8.530, 242.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

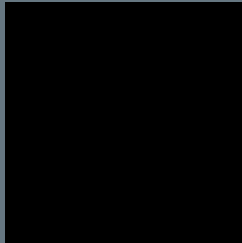
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

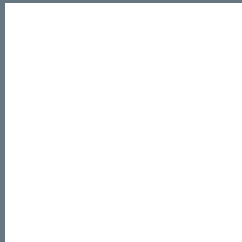
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 8.530, 242.625

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.530, 242.625.



This preview shows how white text looks on a background with the CIELCh color 49, 8.530, 242.625.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

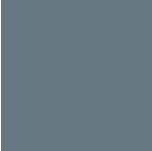
49, 8.530, 242.625

Protanopia

49, 7.060, 291.115

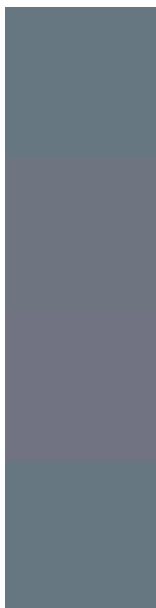
Deuteranopia

49, 10.522, 308.617



Tritanopia
49, 8.530, 242.625

Trichromacy



Original Color
49, 8.530, 242.625

Protanomaly
49, 7.370, 272.969

Deuteranomaly
49, 8.825, 288.858

Tritanomaly
49, 8.530, 242.625

Monochromacy



Original Color
49, 8.530, 242.625

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.302, 244.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.530, 242.625 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 119, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 119, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.530, 242.625 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 119, 129) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 119, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 119, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 129);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.530, 242.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
119, 129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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